BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 01		Earthwork excavation by manual means for roadsand, drains and similar works in oridinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of colds complete as per specifications complete as per the directions of the Engineer-in-charge of the work .									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 1 to 10						1215.58			
							TOTAL	1215.58	207.60	252354.74	
Item No. 02		Removing and refixing stone slabs of drain and pointing in CM(1:3) complete as per the directions of the Engineer-in-charge of the work .									
			Sqm								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 11 to 15						3402.40			
							TOTAL	3402.40	111.30	378686.67	
Item No. 03		Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and complete as per the directions of the Engineer-in-charge of the work .									
			Sqm								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 16 to 20						1213.47			
							TOTAL	1213.47	742.00	900394.74	
Item no.04		Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 21 to 25						60.58			
							TOTAL	60.58	5408.12	327611.20	
Item no.05		Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size 400x200x200mm complete as per specifications and as per the directions of the Engineer-in-charge of the work .									
			Sqm								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 26 to 30						1766.94			
							TOTAL	1766.94	1019.72	1801779.98	
Item no.6		Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.53cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .									
			Sqm								

R.V.P.C. RAMAPRASAD CONSULTANTS BANGALORE

20/8/25

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 31 to 35						53.85			
							TOTAL	53.85	5747.32	309474.79	
Item no.7		Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 36 to 36						15.64			
							TOTAL	15.64	5505.64	86119.22	
Item no.8		Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.430 cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work .									
Measurements Taken On :											
		Singapura layout									
		6th cross									
		Bottom Raft									
		L H S									
0	5.2		Cum	1	5.20	0.90	0.15	0.70			
5.2	9.3		Cum	1	4.10	0.90	0.15	0.55			
34.4	46.4		Cum	1	12.00	0.90	0.15	1.62			
59	70.6		Cum	1	11.60	0.90	0.15	1.57			
		R H S									
0	8.6		Cum	1	8.60	0.90	0.15	1.16			
12.2	15		Cum	1	15.00	0.90	0.15	2.03			
15	16.5		Cum	1	1.50	0.90	0.15	0.20			
18	33		Cum	1	15.00	0.90	0.15	2.03			
33	36.4		Cum	1	3.40	0.90	0.15	0.46			
36.4	51.4		Cum	1	15.00	0.90	0.15	2.03			
51.4	54.8		Cum	1	3.40	0.90	0.15	0.46			
		Side wall									
		L H S									
0	5.2		Cum	2	5.20	0.15	0.75	1.17			
5.2	9.3		Cum	2	4.10	0.15	0.75	0.92			
34.4	46.4		Cum	2	12.00	0.15	0.60	2.16			
59	70.6		Cum	2	11.60	0.15	0.60	2.09			
		R H S									
0	8.6		Cum	2	8.60	0.15	0.65	1.68			
12.2	15		Cum	2	15.00	0.15	0.65	2.93			
15	16.5		Cum	2	1.50	0.15	0.65	0.29			
18	33		Cum	2	15.00	0.15	0.60	2.70			
33	36.4		Cum	2	3.40	0.15	0.60	0.61			
36.4	51.4		Cum	2	15.00	0.15	0.60	2.70			

Asst. Executive Engineer, Byatarayanapura Sub-Division KRIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
51.4	54.8		Cum	2	3.40	0.15	0.60	0.61			
								30.66	**7070.20**	**216751.12**	
Item no.9		Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .									
			tonne								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 37 to 37						1.84			
								TOTAL	**1.84**	**72326.98**	**133039.69**
Item no.10		Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications C : C 1:1.5:3 Including all cost of material (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab. and as per the directions of the Engineer-in-charge of the work .									
Measurements Taken On :											
		Cover slab									
		Singapura layout									
		2nd main road									
		R H S									
0	15		Sqm	1	15	0.9		13.50			
15	25.3		Sqm	1	10.3	0.9		9.27			
30.4	34	25.3 to 30.4 no slab	Sqm	1	3.6	0.9		3.24			
53.8	62.5	34 to 53.8no slab	Sqm	1	8.7	0.9		7.83			
62.5	81.5		Sqm	1	19	0.9		17.10			
81.5	96.5		Sqm	1	15	0.9		13.50			
96.5	104.9	104.9 to 143.4 no slab	Sqm	1	8.4	0.9		7.56			
143.4	147.6	147.6 to 150.6 no slab									
150.9	156.6		Sqm	1	5.7	0.9		5.13			
156.6	171.6		Sqm	1	15	0.9		13.50			
171.6	186.6		Sqm	1	15	0.9		13.50			
186.6	191.9	191.9 to 199.3no slab	Sqm	1	5.3	0.9		4.77			
199.3	206.7	206.7to 210.7 no slab	Sqm	1	7.4	0.9		6.66			
210.7	225.7										
225.7	232.4	232.4 to 236.4 no slab									
236.4	250.4	250.4 to 277.6 no slab	Sqm	1	14	0.9		12.60			
277.6	292.6		Sqm	1	15	0.9		13.50			
292.6	305.6	305.6 to 308.6 no slab	Sqm	1	13	0.9		11.70			
308.6	312.4		Sqm	1	3.8	0.9		3.42			
348.1	354.1	312.4 to348.1 no slab	Sqm	1	6	0.9		5.40			
0	0	**L H S**									
22.7	28.7	0 to 22.7 no slab	Sqm	1	6	0.9		5.40			
32.7	47.7	28.7to 32.7 no slab	Sqm	1	15	0.9		13.50			
47.7	60.5	60.5 to 64.5 no slab	Sqm	1	12.8	0.9		11.52			
64.5	79.5		Sqm	1	15	0.9		13.50			
79.5	85	85 to 101.4 no slab	Sqm	1	5.5	0.9		4.95			
101.4	110.7		Sqm	1	9.3	0.9		8.37			
121.7	136.7	110.7 to 121.7 no slab	Sqm	1	15	0.75		11.25			
146	161		Sqm	1	15	0.9		13.50			

Asst. Executive Engineer
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KRIDL, BBMP, Bangalore
Contactor

PRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
161	176		Sqm	1	15	0.9		13.50			
176	179.5		Sqm	1	3.5	0.9		3.15			
202.6	215	179.5 to 202.6 no slab	Sqm	1	12.4	0.9		11.16			
220	233	215 to 220 no slab	Sqm	1	13	0.9		11.70			
238	253	233 to 238 no slab	Sqm	1	15	0.9		13.50			
253	262.8	262.8 to 267.8 no slab	Sqm	1	9.8	0.9		8.82			
267.8	281.4	281.4 to 286.4 no slab	Sqm	1	13.6	0.9		12.24			
286.4	291.2	291.2 to 295.2 no slab	Sqm	1	4.8	0.9		4.32			
295.2	310.2		Sqm	1	15	0.9		13.50			
310.2	325.2		Sqm	1	15	0.9		13.50			
325.2	326.2		Sqm	1	1	0.9		0.90			
329.2	341.2	326.2 to 329.2 no slab	Sqm	1	12	0.9		10.80			
		2nd main									
		cross road 1									
		R H S									
0	5		Sqm	1	5	0.9		4.50			
8.3	23.3	5 to 8.3 no slab	Sqm	1	15	0.9		13.50			
23.3	26.3		Sqm	1	3	0.9		2.70			
		L H S									
0	9		Sqm	1	9	0.9		8.10			
		Singapura layout									
		1st main									
		L H S									
0	15		Sqm	1	15	0.9		13.50			
15	30		Sqm	1	15	0.9		13.50			
30	35		Sqm	1	5	0.9		4.50			
46.9	57.7	35 to 46.9 no slab	Sqm	1	10.8	0.9		9.72			
61.5	73.5	57.7 to 61.5 no slab	Sqm	1	12	0.9		10.80			
76.5	91.5	73.5 to 76.5 no slab	Sqm	1	15	0.9		13.50			
91.5	97.1		Sqm	1	5.6	0.9		5.04			
169.9	181.8	97.1 to 169.9 no slab	Sqm	1	11.9	0.9		10.71			
185.8	198.3	181.8 to 185.8 no slab	Sqm	1	12.5	0.9		11.25			
211.8	226.8	198.3 to 211.8 no slab	Sqm	1	15	0.9		13.50			
226.8	236.4		Sqm	1	9.6	0.9		8.64			
241.4	254.4	236.4 to 241.4 no slab	Sqm	1	13	0.9		11.70			
		R H S									
0	7.7		Sqm	1	7.7	0.9		6.93			
17.5	26.5	7.7 to 17.5 no slab	Sqm	1	9	0.9		8.10			
36.1	38	26.5 to 36.1 no slab	Sqm	1	1.9	0.9		1.71			
42	45.5	38 to 42 no slab									
49.5	52.5	45.5 to 49.5 no slab	Sqm	1	3	0.9		2.70			
61.7	70.7	52.5 to 61.7no slab	Sqm	1	9	0.9		8.10			
133.1	142.4	70.7 to 133.1 no slab	Sqm	1	9.3	0.9		8.37			
151.2	160.5	142.4 to 151.2 no slab	Sqm	1	9.3	0.9		8.37			
160.5	175.5		Sqm	1	15	0.9		13.50			
175.5	190.5		Sqm	1	15	0.9		13.50			
190.5	192.1		Sqm	1	1.6	0.9		1.44			
196.1	210.6	192.1 to 196.1 no slab									
214.6	223.2	210.6 to 214.6 no slab	Sqm	1	8.6	0.9		7.74			
227.2	237	237 to 241 no slab	Sqm	1	9.8	0.9		8.82			
241	256		Sqm	1	15	0.9		13.50			
256	262.3		Sqm	1	6.3	0.9		5.67			

Asst. Executive Engineer,
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Contactor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Varadappa layout									
		1st main									
		R H S									
0	15		Sqm	1	15	0.9		13.50			
15	26.9		Sqm	1	11.9	0.9		10.71			
35.1	39.4	26.9 to 35.1 no slab	Sqm	1	4.3	0.9		3.87			
49.4	62.3	39.4 to 49.4 no slab	Sqm	1	12.9	0.9		11.61			
62.3	77.3		Sqm	1	15	0.9		13.50			
77.3	81.9		Sqm	1	4.6	0.9		4.14			
		L H S									
0	8.8		Sqm	1	8.8	0.9		7.92			
14.8	29.8	8.8 to 14.8 no slab	Sqm	1	15	0.9		13.50			
29.8	39.6		Sqm	1	9.8	0.9		8.82			
		1st main rightside									
		3rd cross									
		R H S									
0	11.2		Sqm	1	11.2	0.9		10.08			
		L H S									
8.8	23.8	0 to 8.8 no slab	Sqm	1	15	0.9		13.50			
23.8	38.8		Sqm	1	15	0.9		13.50			
38.8	51.2		Sqm	1	12.4	0.9		11.16			
		1st main rightside									
		2nd cross									
		L H S									
0	10.2	10.2 to 14.2 no slab	Sqm	1	10.2	0.75		7.65			
14.2	18.5										
18.5	30.5		Sqm	1	12	0.75		9.00			
30.5	36.7		Sqm	1	6.2	0.75		4.65			
		R H S									
0	10.7	10.7 to 24.8 no slab									
24.8	37		Sqm	1	12.2	0.9		10.98			
49.7	61.9		Sqm	1	12.2	0.75		9.15			
		1st main rightside									
		1st cross									
		L H S									
0	10.6		Sqm	1	10.6	0.75		7.95			
		1st main left side									
		3rd cross									
		L H S									
0	15		Sqm	1	15	0.75		11.25			
15	18		Sqm	1	3	0.75		2.25			
		R H S									
0	15		Sqm	1	15	0.75		11.25			
15	17.4		Sqm	1	2.4	0.75		1.80			
		1st main left side									
		4th cross									
		L H S									
0	3.8	3.8 to 10.8 no slab	Sqm	1	3.8	0.75		2.85			
10.8	18.8		Sqm	1	8	0.75		6.00			
74.8	85.2	18.8 to 74.8 no slab	Sqm	1	10.4	0.9		9.36			
0	0	R H S									

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0	15		Sqm	1	15	0.9		13.50			
15	30		Sqm	1	15	0.9		13.50			
62.2	77.2	30 to 62.2	Sqm	1	15	0.9		13.50			
77.2	81.4		Sqm	1	4.2	0.9		3.78			
		2nd main									
		R H S									
0	11.57		Sqm	1	11.57	0.9		10.41			
21.07	36.07	11.57 to 21.07 no slab	Sqm	1	15	0.9		13.50			
36.07	38.87		Sqm	1	2.8	0.9		2.52			
56.97	60.17	38.87 to 56.97no slab	Sqm	1	3.2	0.9		2.88			
64.77	75.77	60.17 to 64.77 no slab	Sqm	1	11	0.9		9.90			
93.97	99.37	75.77 to 93.97 no slab									
108.97	118.77	99.37 to 109 no slab	Sqm	1	9.8	0.9		8.82			
		L H S									
0	15		Sqm	1	15	0.9		13.50			
15	25.1	25.1 to 37.9 no slab	Sqm	1	10.1	0.9		9.09			
37.9	46.9		Sqm	1	9	0.9		8.10			
46.9	59.9	59.9 to 73.8 no slab	Sqm	1	13	0.9		11.70			
73.8	78.2	78.2 to 83.1 no slab	Sqm	1	4.4	0.9		3.96			
83.1	98.1		Sqm	1	15	0.9		13.50			
98.1	113.1		Sqm	1	15	0.9		13.50			
113.1	114.2		Sqm	1	1.1	0.9		0.99			
		4th main									
0	9.7	9.7 to 28.6 no slab	Sqm	1	9.7	0.9		8.73			
28.6	38.6	38.6 to 48.6 no slab	Sqm	1	10	0.9		9.00			
48.6	57.4		Sqm	1	8.8	0.9		7.92			
69	77.8	57.4 to 69 no slab	Sqm	1	8.8	0.9		7.92			
77.8	84.1		Sqm	1	6.3	0.9		5.67			
84.1	89.7		Sqm	1	5.6	0.9		5.04			
92.7	101.2	89.7 to 92.7 no slab	Sqm	1	8.5	0.9		7.65			
119.9	129.9	101.2 to 119.9 no slab	Sqm	1	10	0.9		9.00			
		L H S									
10.4	19.4		Sqm	1	9	0.9		8.10			
39.6	47.8	19.4 to 39.6 no slab	Sqm	1	8.2	0.9		7.38			
63.8	82.2	47.8 to 63.8 no slab	Sqm	1	18.4	0.9		16.56			
87.2	96.9	82.2 to 87.2 no slab	Sqm	1	9.7	0.9		8.73			
106.2	121.2	96.9 to 106.2 no slab	Sqm	1	15	0.9		13.50			
		New drain									
		Singapura layout									
		6th cross									
		L H S									
34.4	46.4	0 to 34.4 no slab	Sqm	1	12	0.9		10.80			
59	70.6	46.4 to 59 no slab	Sqm	1	11.6	0.9		10.44			
		R H S									
0	8.6		Sqm	1	8.6	0.9		7.74			
0	15		Sqm	1	15	0.9		13.50			
15	16.5		Sqm	1	1.5	0.9		1.35			
36.4	51.4	16.5 to 51.4 no slab	Sqm	1	15	0.9		13.50			
51.4	54.8		Sqm	1	3.4	0.9		3.06			

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MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
							TOTAL	1197.06	2337.00	2797536.23	
Item no.11		Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge of the work .									
Measurements Taken On :											
		Kerb stone									
		Singapura layout									
		2nd main road									
		R H S									
0	15		m	1	15			15.00			
15	25.3		m	1	10.3			10.30			
30.4	34	25.3 to 30.4 no kerb	m	1	3.6			3.60			
53.8	62.5	34 to 53.8 no kerb	m	1	8.7			8.70			
81.5	96.5	62.5 to 81.5 no kerb	m	1	15			15.00			
96.5	104.9	104.9 to 143.4 no kerb	m	1	8.4			8.40			
143.4	147.6										
150.9	156.6	147.6 to 150.9 no kerb	m	1	5.7			5.70			
156.6	171.6		m	1	15			15.00			
171.6	186.6		m	1	15			15.00			
186.6	191.9		m	1	5.3			5.30			
199.3	206.7	191.9 to 199.3 no kerb	m	1	7.4			7.40			
210.7	225.7	206.7 to 210.7 no kerb									
225.7	232.4	225.7 to 236.4 no kerb									
236.4	250.4	250.4 to 277.6 no kerb	m	1	14			14.00			
277.6	292.6		m	1	15			15.00			
292.6	305.6		m	1	13			13.00			
308.6	312.4	305.6 to 308.6 no kerb	m	1	3.8			3.80			
348.1	354.1		m	1	6			6.00			
		L H S									
22.7	28.7	0to 22.7 no kerb	m	1	6			6.00			
32.7	47.7	28.7 to 32.7 no kerb	m	1	15			15.00			
47.7	60.5		m	1	12.8			12.80			
64.5	79.5	60.5 to 64.5 no kerb	m	1	15			15.00			
79.5	85		m	1	5.5			5.50			
101.4	110.7	85 to 101.4 no kerb	m	1	9.3			9.30			
121.7	136.7	110.7 to 121.7 no kerb	m	1	15			15.00			
146	161	136.7 to 146 no kerb	m	1	15			15.00			
161	176		m	1	15			15.00			
202.6	215	176 to 202.6 no kerb	m	1	12.4			12.40			
220	233	215 to 238 no kerb									
238	253		m	1	15			15.00			
267.8	281.4		m	1	13.6			13.60			
286.4	291.2	281.4 to 295.2 no kerb									
295.2	310.2		m	1	15			15.00			
310.2	325.2		m	1	15			15.00			
325.2	326.2	326.2 to 329.2 no kerb	m	1	1			1.00			
329.2	341.2		m	1	12			12.00			
		2nd main									
		cross road 1									

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contactor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		R H S									
0	5										
8.3	23.3	5 to 8.3 no kerb	m	1	15			15.00			
23.3	26.3		m	1	3			3.00			
		L H S									
10.2	19.2		m	1	9			9.00			
		Singapura layout									
		1st main									
		L H S									
0	15		m	1	15			15.00			
15	30		m	1	15			15.00			
30	35		m	1	5			5.00			
46.9	57.7	35 to 46.9 no kerb	m	1	10.8			10.80			
61.5	73.5	57.7 to 61.5 no kerb	m	1	12			12.00			
76.5	91.5		m	1	15			15.00			
91.5	97.1		m	1	5.6			5.60			
169.9	181.8	97.1 to 169.9 no kerb	m	1	11.9			11.90			
185.8	198.3	181.8 to 185.8 no kerb	m	1	12.5			12.50			
211.8	226.8	198.3 to 211.8 no kerb	m	1	15			15.00			
226.8	236.4		m	1	9.6			9.60			
241.4	254.4	236.4 to 241.4 no kerb	m	1	13			13.00			
		R H S									
0	7.7										
17.5	26.5	7.7 to 17.5 no kerb	m	1	9			9.00			
36.1	38	26.5 to 36.1 no kerb	m	1	1.9			1.90			
42	45.5	42 to 49.5 no kerb									
49.5	52.5		m	1	3			3.00			
61.7	70.7		m	1	9			9.00			
133.1	142.4		m	1	9.3			9.30			
151.2	160.5		m	1	9.3			9.30			
160.5	175.5		m	1	15			15.00			
175.5	190.5		m	1	15			15.00			
190.5	192.1		m	1	1.6			1.60			
196.1	210.6	192.1 to 214.6 no kerb									
214.6	223.2										
227.2	237		m	1	9.8			9.80			
241	256		m	1	15			15.00			
256	262.3		m	1	6.3			6.30			
		Varadappa layout									
		1st main									
		R H S									
0	15		m	1	15			15.00			
15	26.9		m	1	11.9			11.90			
35.1	39.4	26.9 to 35.1 no kerb	m	1	4.3			4.30			
49.4	62.3	39.4 to 49.4 no kerb	m	1	12.9			12.90			
62.3	77.3		m	1	15			15.00			
77.3	81.9		m	1	4.6			4.60			
		L H S									
0	8.8		m	1	8.8			8.80			
14.8	29.8	8.8 to 14.8no kerb	m	1	15			15.00			
29.8	39.6		m	1	9.8			9.80			
		1st main rightside									

Asst. Executive Engineer
yatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		3rd cross									
		R H S									
0	11.2		m	1	11.2			11.20			
		L H S						0.00			
8.8	23.8	0 to 8.8 no kerb	m	1	15			15.00			
23.8	38.8		m	1	15			15.00			
38.8	51.2										
		1st main rightside									
		2nd cross									
		L H S									
0	10.2	10.2 to 14.2 no kerb	m	1	10.2			10.20			
14.2	18.5										
18.5	30.5		m	1	12			12.00			
30.5	36.7										
		R H S									
0	10.7	10.7 to 24.8 no kerb									
24.8	37										
49.7	61.9		m	1	12.2			12.20			
		1st main rightside									
		1st cross									
		L H S									
0	10.6		m	1	10.6			10.60			
		1st main left side									
		3rd cross									
		L H S									
0	15		m	1	15			15.00			
15	18		m	1	3			3.00			
		R H S									
0	15		m	1	15			15.00			
15	17.4		m	1	2.4			2.40			
		1st main left side									
		4th cross									
		L H S									
0	3.8	3.8 to 10.8 no kerb	m	1	3.8			3.80			
10.8	18.8		m	1	8			8.00			
74.8	85.2	18.8 to 74.8 no kerb	m	1	10.4			10.40			
		R H S									
0	15		m	1	15			15.00			
15	30		m	1	15			15.00			
62.2	77.2	30 to 62.2	m	1	15			15.00			
77.2	81.4		m	1	4.2			4.20			
		2nd main									
		R H S									
0	11.57		m	1	11.57			11.57			
21.07	36.07	11.57 to 21.07 no kerb	m	1	15			15.00			
36.07	38.87		m	1	2.8			2.80			
56.97	60.17	38.87 to 56.97 no kerb	m	1	3.2			3.20			
64.77	75.77	60.17 to 64.77 no kerb	m	1	11			11.00			

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
93.97	99.37	75.77 to 93.97 no kerb									
108.97	118.77	99.37 to 109no kerb	m	1	9.8			9.80			
		L H S									
0	15		m	1	15			15.00			
15	25.1	25.1 to 37.9 no kerb	m	1	10.1			10.10			
37.9	46.9		m	1							
46.9	59.9	59.9 to 73.8 no kerb	m	1	13			13.00			
73.8	78.2	78.2 to 83.1 no kerb	m	1	4.4			4.40			
83.1	98.1		m	1	15			15.00			
98.1	113.1		m	1	15			15.00			
113.1	114.2		m	1	1.1			1.10			
		4th main									
0	9.7	9.7 to 28.6 no kerb	m	1	9.7			9.70			
28.6	38.6	38.6 to 48.6 no kerb	m	1	10			10.00			
48.6	57.4		m	1	8.8			8.80			
69	77.8	57.4 to 69 no kerb	m	1	8.8			8.80			
77.8	84.1		m	1	6.3			6.30			
84.1	89.7		m	1	5.6			5.60			
92.7	101.2	89.7 to 92.7 no kerb	m	1	8.5			8.50			
119.9	129.9	101.2 to 119.9 no kerb	m	1	10			10.00			
		L H S									
10.4	19.4		m	1	9			9.00			
39.6	47.8	19.4 to 39.6 no kerb	m	1	8.2			8.20			
63.8	82.2	47.8 to 63.8 no kerb	m	1	18.4			18.40			
87.2	96.9	82.2 to 87.2 no kerb	m	1	9.7			9.70			
106.2	121.2	96.9 to 106.2 no kerb	m	1	15			15.00			
							TOTAL	**1170.67**			
							1115.47/0.45	**2601.49**			
							TOTAL	**2601**	**432.48**	**1125091.91**	

Item no.12	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge of the work .
Measurements Taken On :	

		Kerb stone									
		Singapura layout									
		2nd main road									
		R H S									
0	15		Sqm	1	15.00		0.35	5.25			
15	25.3		Sqm	1	10.30		0.35	3.605			
30.4	34	25.3 to 30.4 no kerb	Sqm	1	3.60		0.35	1.26			
53.8	62.5	34 to 53.8 no kerb	Sqm	1	8.70		0.35	3.045			
81.5	96.5	62.5 to 81.5 no kerb	Sqm	1	15.00		0.35	5.25			
96.5	104.9	104.9 to 143.4 no kerb	Sqm	1	8.40		0.35	2.94			
143.4	147.6										
150.9	156.6	147.6 to 150.9 no kerb	Sqm	1	5.70		0.35	1.995			
156.6	171.6		Sqm	1	15.00		0.35	5.25			
171.6	186.6		Sqm	1	15.00		0.35	5.25			

Asst. Executive Engineer
Yatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
186.6	191.9		Sqm	1	5.30		0.35	1.855			
199.3	206.7	191.9 to 199.3 no kerb	Sqm	1	7.40		0.35	2.59			
210.7	225.7	206.7 to 210.7 no kerb									
225.7	232.4	225.7 to 236.4 no kerb									
236.4	250.4	250.4 to 277.6 no kerb	Sqm	1	14.00		0.35	4.9			
277.6	292.6		Sqm	1	15.00		0.35	5.25			
292.6	305.6		Sqm	1	13.00		0.35	4.55			
308.6	312.4	305.6 to 308.6 no kerb	Sqm	1	3.80		0.35	1.33			
348.1	354.1		Sqm	1	6.00		0.35	2.1			
		L H S									
22.7	28.7	0to 22.7 no kerb	Sqm	1	6.00		0.35	2.1			
32.7	47.7	28.7 to 32.7 no kerb	Sqm	1	15.00		0.35	5.25			
47.7	60.5		Sqm	1	12.80		0.35	4.48			
64.5	79.5	60.5 to 64.5 no kerb	Sqm	1	15.00		0.35	5.25			
79.5	85		Sqm	1	5.50		0.35	1.925			
101.4	110.7	85 to 101.4 no kerb	Sqm	1	9.30		0.35	3.255			
121.7	136.7	110.7 to 121.7 no kerb	Sqm	1	15.00		0.35	5.25			
146	161	136.7 to 146 no kerb	Sqm	1	15.00		0.35	5.25			
161	176		Sqm	1	15.00		0.35	5.25			
202.6	215	176 to 202.6 no kerb	Sqm	1	12.40		0.35	4.34			
220	233	215 to 238 no kerb									
238	253		Sqm	1	15.00		0.35	5.25			
267.8	281.4		Sqm	1	13.60		0.35	4.76			
286.4	291.2	281.4 to 295.2 no kerb									
295.2	310.2		Sqm	1	15.00		0.35	5.25			
310.2	325.2		Sqm	1	15.00		0.35	5.25			
325.2	326.2	326.2 to 329.2 no kerb	Sqm	1	1.00		0.35	0.35			
329.2	341.2		Sqm	1	12.00		0.35	4.2			
		2nd main									
		cross road 1									
		R H S									
0	5										
8.3	23.3	5 to 8.3 no kerb	Sqm	1	15.00		0.35	5.25			
23.3	26.3		Sqm	1	3.00		0.35	1.05			
		L H S									
10.2	19.2		Sqm	1	9.00		0.35	3.15			
		Singapura layout									
		1st main									
		L H S									
0	15		Sqm	1	15.00		0.35	5.25			
15	30		Sqm	1	15.00		0.35	5.25			
30	35		Sqm	1	5.00		0.35	1.75			
46.9	57.7	35 to 46.9 no kerb	Sqm	1	10.80		0.35	3.78			
61.5	73.5	57.7 to 61.5 no kerb	Sqm	1	12.00		0.35	4.2			
76.5	91.5		Sqm	1	15.00		0.35	5.25			
91.5	97.1		Sqm	1	5.60		0.35	1.96			
169.9	181.8	97.1 to 169.9 no kerb	Sqm	1	11.90		0.35	4.165			
185.8	198.3	181.8 to 185.8 no kerb	Sqm	1	12.50		0.35	4.375			
211.8	226.8	198.3 to 211.8 no kerb	Sqm	1	15.00		0.35	5.25			
226.8	236.4		Sqm	1	9.60		0.35	3.36			
241.4	254.4	236.4 to 241.4 no kerb	Sqm	1	13.00		0.35	4.55			
		R H S									

Asst. Executive Engineer, yatarayanapura Sub-Division KRIDL, BBMP, Bangalore

SUDHARAPRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
0	7.7										
17.5	26.5	7.7 to 17.5 no kerb	Sqm	1	9.00		0.35	3.15			
36.1	38	26.5 to 36.1 no kerb	Sqm	1	1.90		0.35	0.665			
42	45.5	42 to 49.5 no kerb									
49.5	52.5		Sqm	1	3.00		0.35	1.05			
61.7	70.7		Sqm	1	9.00		0.35	3.15			
133.1	142.4		Sqm	1	9.30		0.35	3.255			
151.2	160.5		Sqm	1	9.30		0.35	3.255			
160.5	175.5		Sqm	1	15.00		0.35	5.25			
175.5	190.5		Sqm	1	15.00		0.35	5.25			
190.5	192.1		Sqm	1	1.60		0.35	0.56			
196.1	210.6	192.1 to 241 no kerb									
214.6	223.2										
227.2	237		Sqm	1	9.80		0.35	3.43			
241	256		Sqm	1	15.00		0.35	5.25			
256	262.3		Sqm	1	6.30		0.35	2.205			
		Varadappa layout									
		1st main									
		R H S									
0	15		Sqm	1	15.00		0.35	5.25			
15	26.9		Sqm	1	11.90		0.35	4.165			
35.1	39.4	26.9 to 35.1 no kerb	Sqm	1	4.30		0.35	1.505			
49.4	62.3	39.4 to 49.4 no kerb	Sqm	1	12.90		0.35	4.515			
62.3	77.3		Sqm	1	15.00		0.35	5.25			
77.3	81.9		Sqm	1	4.60		0.35	1.61			
		L H S									
0	8.8		Sqm	1	8.80		0.35	3.08			
14.8	29.8	8.8 to 14.8 no kerb	Sqm	1	15.00		0.35	5.25			
29.8	39.6		Sqm	1	9.80		0.35	3.43			
		1st main rightside									
		3rd cross									
		R H S									
0	11.2		Sqm	1	11.20		0.35	3.92			
		L H S									
8.8	23.8	0 to 8.8 no kerb	Sqm	1	15.00		0.35	5.25			
23.8	38.8		Sqm	1	15.00		0.35	5.25			
38.8	51.2										
		1st main rightside									
		2nd cross									
		L H S	Sqm								
0	10.2	10.2 to 14.2 no kerb	Sqm	1	10.20		0.35	3.57			
14.2	18.5		Sqm								
18.5	30.5		Sqm	1	12.00		0.35	4.2			
30.5	36.7										
		R H S									
0	10.7	10.7 to 24.8 no kerb									
24.8	37										
49.7	61.9		Sqm	1	12.20		0.35	4.27			
		1st main rightside									
		1st cross									
		L H S									
0	10.6		Sqm	1	10.60		0.35	3.71			

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contactor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		1st main left side									
		3rd cross									
		L H S									
0	15		Sqm	1	15.00		0.35	5.25			
15	18		Sqm	1	3.00		0.35	1.05			
		R H S	Sqm								
0	15		Sqm	1	15.00		0.35	5.25			
15	17.4		Sqm	1	2.40		0.35	0.84			
0	0	**1st main left side**									
		4th cross									
		L H S									
0	3.8	3.8 to 10.8 no kerb	Sqm	1	3.80		0.35	1.33			
10.8	18.8		Sqm	1	8.00		0.35	2.8			
74.8	85.2	18.8 to 74.8 no kerb	Sqm	1	10.40		0.35	3.64			
		R H S									
0	15		Sqm	1	15.00		0.35	5.25			
15	30		Sqm	1	15.00		0.35	5.25			
62.2	77.2	30 to 62.2 no kerb	Sqm	1	15.00		0.35	5.25			
77.2	81.4		Sqm	1	4.20		0.35	1.47			
		2nd main									
		R H S									
0	11.57		Sqm	1	11.57		0.35	4.0495			
21.07	36.07	11.57 to 21.07 no kerb	Sqm	1	15.00		0.35	5.25			
36.07	38.87		Sqm	1	2.80		0.35	0.98			
56.97	60.17	38.87 to 56.97 no kerb	Sqm	1	3.20		0.35	1.12			
64.77	75.77	60.17 to 64.77 no kerb	Sqm	1	11.00		0.35	3.85			
93.97	99.37	75.77 to 108.97 no kerb									
108.97	118.77		Sqm	1	9.80		0.35	3.43			
		L H S									
0	15		Sqm	1	15.00		0.35	5.25			
15	25.1	25.1 to 37.9 no kerb	Sqm	1	10.10		0.35	3.535			
37.9	46.9										
46.9	59.9	59.9 to 73.8 no kerb	Sqm	1	13.00		0.35	4.55			
73.8	78.2	78.2 to 83.1 no kerb	Sqm	1	4.40		0.35	1.54			
83.1	98.1		Sqm	1	15.00		0.35	5.25			
98.1	113.1		Sqm	1	15.00		0.35	5.25			
113.1	114.2		Sqm	1	1.10		0.35	0.385			
		4th main									
0	9.7	9.7 to 28.6 no kerb	Sqm	1	9.70		0.35	3.395			
28.6	38.6	38.6 to 48.6 no kerb	Sqm	1	10.00		0.35	3.5			
48.6	57.4		Sqm	1	8.80		0.35	3.08			
69	77.8	57.4 to 69 no kerb	Sqm	1	8.80		0.35	3.08			
77.8	84.1		Sqm	1	6.30		0.35	2.205			
84.1	89.7		Sqm	1	5.60		0.35	1.96			
92.7	101.2	89.7 to 92.7 no kerb	Sqm	1	8.50		0.35	2.975			
119.9	129.9	101.2 to 119.9 no kerb	Sqm	1	10.00		0.35	3.5			
		L H S									

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Lengt (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
10.4	19.4		Sqm	1	9.00		0.35	3.15			
39.6	47.8	19.4 to 39.6 no kerb	Sqm	1	8.20		0.35	2.87			
63.8	82.2	47.8 to 63.8 no kerb	Sqm	1	18.40		0.35	6.44			
87.2	96.9	82.2 to 87.2 no kerb	Sqm	1	9.70		0.35	3.395			
106.2	121.2	96.9 to 106.2 no kerb	Sqm	1	15.00		0.35	5.25			
							TOTAL	**409.73**	**84.80**	**34745.49**	
									SUB TOTAL AMOUNT	**8363585.79**	
									Add KRIDL @ 4%	**334543.43**	
									Add GST @ 12%	**1003630.29**	
									TOTAL AMOUNT	**9701759.52**	

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KRIDL, BBMP, Bangalore

Contactor PMC Assistant Engineer Assistant Executive Engineer